[redacted]

From: EIR
Sent: 13 March 2025 16:04
To: [redacted]
Subject: [redacted]
Attachments: Raunds STW TDV and EDM data.xlsx; Raunds WRC Calculations.xlsx; Raund Catchment Trade Effluent Discharges .xlsx

Dear requester

Provision of requested information

Thank you for your request for information about Raunds STW, which we received on 14 February 2025. Your request has been considered under the Environmental Information Regulations 2004.

1) Total daily effluent volume (TDV) in M/d tfrom 01/01/2019 to latest available date to be supplied as daily records but derived from the 15 minute records and in CSV or Excel format.

Please see attached Raunds STW TDV and EDM data spreadsheet

2) Event Duration Monitoring (EDM) stop/start data from date of installation through to latest available date. This to be in CSV or Excel format.

Please see attached Raunds STW TDV and EDM data spreadsheet

3) Details of Dry Weather Infiltration (DWI), Maximum infiltration (Imax) and trade Effluent discharged into the Raunds network. These to be daily figures and expressed as either M3/d or l/s.

Details of Dry Weather Infiltration (DWI)

We have assumed that you mean the IDWF value. This value has been calculated for each of the last 3 Calendar years and is given in the table below.

This has been calculated In accordance with Guidance on the EA website. Because of the way in which IDWF is calculated it isn't appropriate to provide daily values.

https://www.gov.uk/government/publications/calculating-dry-weather-flow-dwf-at-waste-water-treatment-works/calculating-dry-weather-flow-dwf-at-waste-water-treatment-works

$DWF = PG + I_{DWF} + E$
Where:
DWF = total dry weather flow (l/d)
P = catchment population (number)
G = per capita domestic flow (l/hd/d)
I_{DWF} = dry weather infiltration (l/d)
E = trade effluent flow (l/d)

Calendar Year	Q80 (m3/day) based on measured flow data	IDWF (m3/day)	Population (excluding trade)	G (m3/h/day)
2022	2296	520	12170	0.1
2023	2660	896	12097	0.1
2024	2458	638	12496	0.1

Maximum infiltration (Imax)

Again, we have calculated IMAX based upon Guidance on the EA website.

https://www.gov.uk/government/publications/water-companies-environmental-permits-for-storm-overflows-and-emergency-overflows/water-companies-environmental-permits-for-storm-overflows-and-emergency-overflows

To find I_{max}, calculate infiltration for every dry day as:
$I_{dry\ day}$ = measured TDV – PG – E

A dry day is a day when rainfall does not exceed 0.25mm.

A dry day is a day when rainfall does not exceed 0.25mm. Do not calculate infiltration for the first day after it has rained or after there has been significant snow melt (the flows measured may contain significant runoff or snow melt from the previous day). Calculate infiltration for all the remaining days.
Your analysis must use data from at least 12 consecutive months. Ideally you should use flow data over several years

We have provided a table below with the peak IMAX values for each of the Calendar Years. Please see attached Raunds WRC Calculations spreadsheet.

Year	**WRC**	**Date**	**E (m3/day)**	**Measured Daily Flow (M3/day)**	**Permitted DWF (m3/day)**	**Measured Q80**	**Curren Popula (exclu trade)**
2022	Raunds WRC	18/03/2022	11.46	12986	4000	2296	1
2023	Raunds WRC	02/04/2023	9.57	7948	4000	2660	1
2024	Raunds WRC	07/01/2024	7.25	8033	4000	2458	1

and trade Effluent discharged into the Raunds network.

Please see attached Raunds Catchment Trade Effluent Discharges spreadsheet.

4) Confirmation of their permitted Dry Weather Flow (DWF) and Flow to Full treatment permit settings.

Environmental permits area available on the Environment Agency Website Environmental Permitting Regulations – Discharges to Water and Groundwater

If you are unhappy with the service you have received in relation to your request and wish to request an internal review, you should email EIR@anglianwater.co.uk or write to:

Legal Director, Anglian Water Services, Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon PE29 6XU

If you are not content with the outcome of the internal review, you have the right to apply directly to the Information Commissioner for a decision. The Information Commissioner can be contacted at:

Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire SK9 5AF

If you have any queries about this email, please contact me.

Yours sincerely

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